

### Kilbourne F9: A/New Jersey/11/76 (H1N1)

#### Catalog No. NR-3595

Derived from NIAID Catalog No. V-331-0E5448

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#### Contributor:

National Institutes of Allergy and Infectious Diseases,  
National Institutes of Health

#### Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Wild Type Strain: A/New Jersey/11/76 (H1N1) (Kilbourne F9).<sup>1-3</sup>

Comments: NR-3595 is not a mutant virus but rather wild type virus passaged non-selectively from an original human isolate from the 1976 Ft. Dix epidemic. It was later named A/New Jersey/11/76 (H1N1) by the CDC. This virus is the origin of all the A/New Jersey/11/76 (H1N1) and X-53 mutants and reassortants.

#### Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with wild type influenza A virus, A/New Jersey/11/76 (H1N1).

#### Packaging/Storage:

NR-3595 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -70°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

#### Growth Conditions:

Host: 9 to 11-day-old SPF embryonated chicken eggs

Infection: Embryonated chicken eggs must be candled for viability prior to inoculation

Incubation: 1 to 3 days at 35°C in a humidified chamber without CO<sub>2</sub>

Effect: Hemagglutination (HA) activity using chicken red blood cells and allantoic fluid from infected embryonated chicken eggs

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Kilbourne F9: A/New Jersey/11/76 (H1N1), NR-3595."

#### Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following

publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see [www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

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#### References:

1. [http://www.flu-archive.org/data\\_sheets/F9.doc](http://www.flu-archive.org/data_sheets/F9.doc)
2. <http://www.flu-archive.org/>
3. [http://www.flu-archive.org/search/results.pl?search\\_string=&join\\_type=and](http://www.flu-archive.org/search/results.pl?search_string=&join_type=and)
4. Palese, P., et al. "Genetic Composition of a High-Yielding Influenza A Virus Recombinant: A Vaccine Strain Against "Swine" Influenza." *Science* 194 (1976): 334-335. PubMed: 968486.

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